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ROUTING AND RECORD SHEET

INSTRUCTIONS: Officer designations should be used in the "TO" column. Under each comment a line should be drawn across sheet and each comment numbered to correspond with the number in the "TO" column. Each officer should initial (check mark insufficient) before further routing. This Routing and Record Sheet should be returned to Registry.

FROM:				TELEPHONE	NO.
OC-O&T					O&T 57-268
					DATE
					17 April 1957
TO	ROOM NO.	DATE		OFFICER'S INITIALS	TELEPHONE
		REC'D	FWD'D		COMMENTS
1.					
OC-E				<i>gk</i>	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
Design				<i>Att</i>	
9.					
RB					
10.					
11.					
12.					
13.					
14.					
15.					

E	<i>gk</i>	D-1	CC	AA
SEB	<i>gk</i>	SO	CC	PD
MSB	<i>gk</i>	FS	SM	TI
IMB	<i>gk</i>	SV	SM	TI
RDB	<i>gk</i>	SV	SM	TI

Do we have any production requirements for the TA-1? *gk*. Discussed with JTK - O&T to advise on quantities.

R&D/Lab - Do we have complete specs & drawings? If not please prepare.

8. Encouraging - RAC comply.

DOC	5	REV DATE	4/12-80	BY	008632
ORIG COMP		OPI		TYPE	
ORIG CLASS	5	PAGES	17	REV CLASS	
JUST	22	NEXT REV	2010	AUTH	HR 70-2

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d. Antenna Block Switch: Worked well but was a little difficult to get to when switching from tune to transmit.

e. C 9 and L 5. These controls are listed together due to their effect on each other. Most of the variations from normal were observed at the higher frequencies. The hand effect when tuning C 9 was such that when the hand was removed the antenna loading lamp increased in brilliance appreciably. It was sometimes difficult to get a perceptible indication of loading from the load lamp. On two occasions loading could only be distinguished when L 5 was on the proper impedance match and could not be detected at all on the setting of L 5. It was also noted particularly at the higher frequencies that as inductance was switched out of the circuit capacity from C 9 had to be added. This effect was noted to the extent that the reference markings on C 9 could be used in general sense only.

f. General. The antenna wire broke and was repaired. An external key was used during the tests and worked quite well. A pair of Trimm headphones were used and worked much better than the telex earpiece provided.*

RECOMMENDATIONS: The only recommendations that can be made are minor in nature. First: A slightly tighter BFO sleeve is desirable. Second: A lower wattage lamp for use in load indicating at the higher frequencies should be provided as an accessory. Third: The antenna wire from the adaptor plug should be heavier gauge. Finally, for the test it was necessary to make up a special adaptor plug for the receiver and the TA-1. Since the exact type receiver the unit will be used with operationally is not known, it would not be practical at this time to recommend as a standard adaptor plug any other than the one originally furnished with the equipment.

CONCLUSIONS: The equipment worked very well and little difficulty was encountered in setting up or tuning the equipment.

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* Costs more too!

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